

FIG. 1A

KTCYEGNGHFYRGKASTDTMGRPCLPWNSATVLQQTYHAHRSDALQLGLGK
GKHNYCRNPDNRRRPWCYVQVGLKPLVQECMVHDCADGK

FIG. 1B

SNELHQVPSNCDCLNGGTCVSNKYFSNIHWCNCPKKFGGQHCEIDKS

FIG. 1C

SNELHQVPSNCDCLNGGTCVSNKYFSNIHWCNCPKKFGGQHCEIDKSKT
CYEGNGHFYRGKASTDTMGRPCLPWNSATVLQQTYHAHRSDALQLGLGK
HNYCRNPDNRRRPWCYVQVGLKPLVQECMVHDCADGKKPSSPPEELKFQ
CGQKTLRPRFKIIGGEFTTIENQPWFAAIYRRHRGGSVTYVCGGSLISP
CWVISATHCFIDYPKKEDYIVYLGRSRLNSNTQGEMKFEVENLILHKDY
SADTLAHHNDIALLLKIRSKEGRCAQPSRTIQTICLPSMYNDPQFGTSCE
ITGFGKENSTDYLYPEQLKMTVVKLISHRECQQPHYYGSEVTTKMLCAA
DPQWKTDSCQGDSSGGLVCSLQGRMTLTGIVSWGRGCALKDKPGVYTRV
SHFLPWIRSHSTKEENGLAL

FIG. 1D

SNELHQVPSNCDCLNGGTCVSNKYFSNIHWCNCPKKFGGQHCEIDKSKT
CYEGNGHFYRGKASTDTMGRPCLPWNSATVLQQTYHAHRSDALQLGLGK
HNYCRNPDNRRRPWCYVQVGLKPLVQECMVHDCADGK

FIG. 1E

KPSSPPEELKFQCGQKTLRPRFKIIGGEFTTIENQPWFAAIYRRHRGGS
VTYVCGGSLISPCWVISATHCFIDYPKKEDYIVYLGRSRLNSNTQGEMK
FEVENLILHKDYSADTLAHHNDIALLLKIRSKEGRCAQPSRTIQTICLPS
MYNDPQFGTSCEITGFGKENSTDYLYPEQLKMTVVKLISHRECQQPHY
YGSEVTTKMLCAADPQWKTDSCQGDSSGGLVCSLQGRMTLTGIVSWGRGC
ALKDKPGVYTRVSHFLPWIRSHSTKEENGLAL

FIG. 1F

SNELHQVPSNCDCLNGGTCVSNKYFSNIHWCNCPKKFGGQHCEIDKSKT
CYEGNGHFYRGKASTDTMGRPCLPWNSATVLQQTYHAHRSDALQLGLGK
HNYCRNPDNRRRPWCYVQVGLKPLVQECMVHDCADGK//LKFQCGQKTL
RPRFKIIGGEFTTIENQPWFAAIYRRHRGGSVTYVCGGSLISPCWVISA
THCFIDYPKKEDYIVYLGRSRLNSNTQGEMKFEVENLILHKDYSADTLA
HHNDIALLLKIRSKEGRCAQPSRTIQTICLPSMYNDPQFGTSCEITGFGK
ENSTDYLYPEQLKMTVVKLISHRECQQPHYYGSEVTTKMLCAADPQWKT
DSCQGDSSGGLVCSLQGRMTLTGIVSWGRGCALKDKPGVYTRVSHFLPW
IRSHSTKEENGLAL

FIG. 1G

SNELHQVPSNCDCLNGGTCVSNKYFSNIHWCNCPKKFGGQHCEIDKS//
KPSSPPEELKFQCGQKTLRPRFKIIGGEFTTIENQPWFAAIYRRHRGGS
VTYVCGGSLISPCWVISATHCFIDYPKKEDYIVYLGRSRLNSNTQGEMK
FEVENLILHKDYSADTLAHHNDIALLKIRSKEGRCAQPSRTIQTICLPS
MYNDPQFGTSCEITGFGKENSTDYLYPEQLKMTVVKLISHRECQOPHY
GSEVTTKMLCAADPQWKTDSCQGDGGPLVCSLQGRMTLTGIVSWGRGC
ALKDKPGVYTRVSHFLPWIRSHSTKEENGLAL

FIG. 1H

SNELHQVPSNCDCLNGGTCVSNKYFSNIHWCNCPKKFGGQHCEIDKSKT
CYEGNGHFYRGKASTDTMGRPCLPWNSATVLQQTYHAHRSDALQLGLGK
HNYCRNPDNRRRPWCYVQVGLKPLVQECMVHDCADGKKPSSPPEE

FIG. 1I

KTCYEGNGHFYRGKASTDTMGRPCLPWNSATVLQQTYHAHRSDALQLGL
GKHNYCRNPDNRRRPWCYVQVGLKPLVQECMVHDCADGKKPSSPPEE

FIG. 1J

aaaacctgctatgaggggaatgggtcacttttaccgaggaaagggccagca
ctgacaccatgggcccggccctgcctgccctggaactctgccactgtcct
tcagcaaactgacctgcccacagatctgatgctcttcagctgggcctg
gggaaacataattactgcaggaaccagacaaccggaggcgaccctgg
gctatgtgcaggtgggcctaaagccgcttgtccaagagtgcattggtgca
tgactgcgcagatggaaaa

FIG. 1K

agcaatgaacttcatcaagttccatcgaactgtgactgtctaaatggag
gaacatgtgtgtccaacaagtacttctccaacattcactgggtgcaactg
cccaaagaaattcggagggcagcactgtgaaatagataagtca

FIG. 1L

agcaatgaacttcatcaagttccatcgaactgtgactgtctaaatggag
 gaacatgtgtgtccaacaagtacttctccaacattcactggtgcaactg
 cccaaagaaattcggagggcagcactgtgaaatagataagtcaaaaacc
 tgctatgaggggaatggtcacttttaccgaggaaaggccagcactgaca
 ccatggggccggccctgctgcccctggaactctgccactgtccttcagca
 aacgtaccatgcccacagatctgatgctcttcagctgggcctggggaaa
 cataattactgcaggaacccagacaaccggaggcgaccctggtgctatg
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 cgcagatggaaaaaagccctcctctcctccagaagaattaaaatttcag
 tgtggccaaaagactctgagggcccgcctttaagattattgggggagaat
 tcaccaccatcgagaaccagccctggtttgcggccatctacaggaggca
 ccggggggggctctgtcacctacgtgtgtggaggcagcctcatcagccct
 tgctgggtgatcagcgccacacactgcttcattgattacccaaagaagg
 aggactacatcgtctacctgggtcgctcaaggcttaactccaacacgca
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 agctgaaaatgactgttggtgaagctgatttcccaccgggagtgctcagca
 gccccactactacggctctgaagtcaccaccaaataatgctatgtgctgct
 gacccccaatggaaaacagattcctgcccaggagactcagggggacccc
 tcgtctgttccctccaaggccgcatgactttgactggaattgtgagctg
 gggccgtggatgtgcccctgaaggacaagccaggcgtctacacgagagtc
 tcacacttcttaccctggatccgcagtcacaccaaggaagagaatggcc
 tggccctctga

FIG. 1M

agcaatgaacttcatcaagttccatcgaactgtgactgtctaaatggag
 gaacatgtgtgtccaacaagtacttctccaacattcactggtgcaactg
 cccaaagaaattcggagggcagcactgtgaaatagataagtcaaaaacc
 tgctatgaggggaatggtcacttttaccgaggaaaggccagcactgaca
 ccatggggccggccctgctgcccctggaactctgccactgtccttcagca
 aacgtaccatgcccacagatctgatgctcttcagctgggcctggggaaa
 cataattactgcaggaacccagacaaccggaggcgaccctggtgctatg
 tgcaggtgggcctaaagccgcttgtccaagagtgcattggtgcatgactg
 cgcagatggaaaa

FIG. 1N

aagccctcctctcctccagaagaattaaaatttcagtggtggccaaaaga
ctctgagggccccgctttaagattattgggggagaattcaccaccatcga
gaaccagccctggtttgcgccatctacaggaggcaccgggggggctct
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gcgccacacactgcttcattgattacccaaagaaggaggactacatcgt
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gccctgaaggacaagccaggcgtctacacgagagtctcacacttcttac
cctggatccgcagtcacaccaaggaagagaatggcctggccctctga

FIG. 10

agcaatgaacttcatcaagttccatcgaactgtgactgtctaaatggag
gaacatgtgtgtccaacaagtacttctccaacattcactgggtgcaactg
cccaaagaaattcggagggcagcactgtgaaatagataagtcaaaaacc
tgctatgaggggaatggtcacttttaccgaggaaaggccagcactgaca
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tgactttgactggaattgtgagctggggccgtggatgtgccctgaagga
caagccaggcgtctacacgagagctctcacacttcttaccctggatccgc
agtcacaccaaggaagagaatggcctggccctctga

FIG. 1P

agcaatgaacttcatcaagttccatcgaactgtgactgtctaaatggag
 gaacatgtgtgtccaacaagtacttctccaacattcactggtgcaactg
 cccaaagaaattcggagggcagcactgtgaaatagataagtcaaagccc
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 ggccccgctttaagattattgggggagaattcaccaccatcgagaacca
 gccctggtttgcgcccatctacaggaggcaccgggggggctctgtcacc
 tacgtgtgtggaggcagcctcatcagcccttgctgggtgatcagcgcca
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 aacgatccccagtttggcacaagctgtgagatcactggctttggaaaag
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 gaagtcaccaccaaataatgctatgtgctgctgacccccaatggaaaacag
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 ccgcatgactttgactggaattgtgagctggggccgtggatgtgccctg
 aaggacaagccaggcgtctacacgagagtctcacacttcttaccctgga
 tccgcagtcacaccaaggaagagaatggcctggccctctga

FIG. 1Q

agcaatgaacttcatcaagttccatcgaactgtgactgtctaaatggag
 gaacatgtgtgtccaacaagtacttctccaacattcactggtgcaactg
 cccaaagaaattcggagggcagcactgtgaaatagataagtcaaaaacc
 tgctatgaggggaatggtcacttttaccgaggaaaggccagcactgaca
 ccatgggcccggccctgcctgccctggaactctgccactgtccttcagca
 aacgtaccatgcccacagatctgatgctcttcagctgggcctggggaaa
 cataattactgcaggaaccagacaaccggaggcgaccctgggtgctatg
 tgcaggtgggcctaaagccgcttggtccaagagtgcattggtgcatgactg
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FIG. 1R

aaaacctgctatgaggggaatggtcacttttaccgaggaaaggccagca
 ctgacaccatgggcccggccctgcctgccctggaactctgccactgtcct
 tcagcaaacgtaccatgcccacagatctgatgctcttcagctgggcctg
 gggaaacataattactgcaggaaccagacaaccggaggcgaccctgggt
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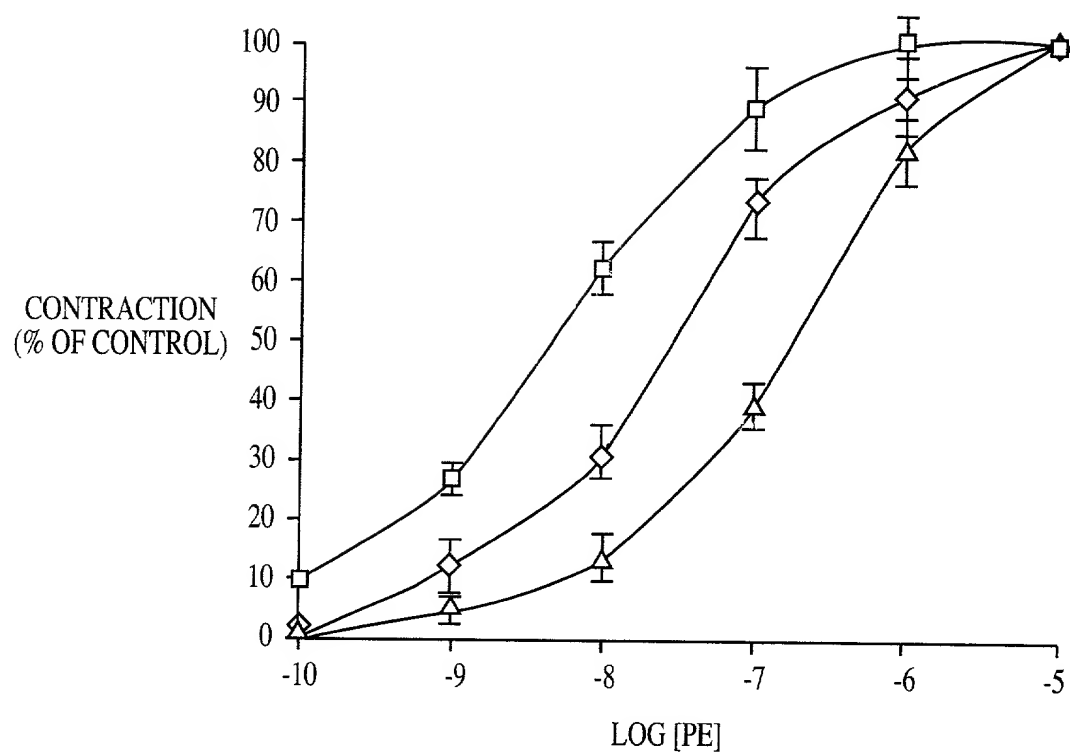


FIG. 2

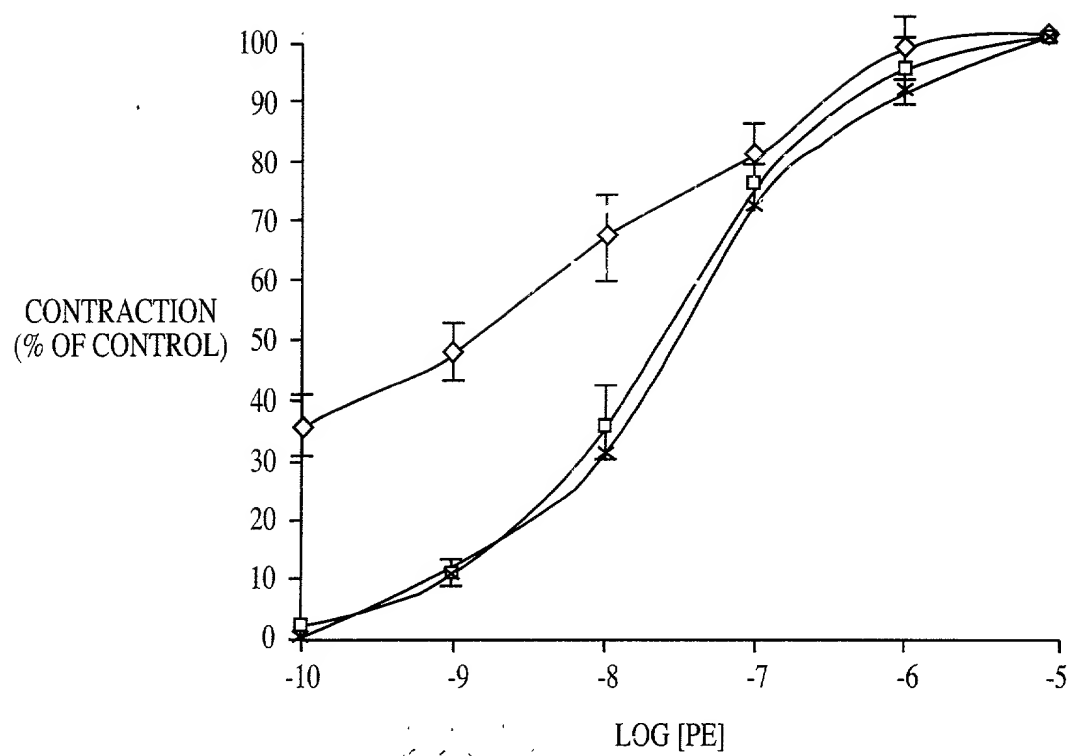


FIG. 3

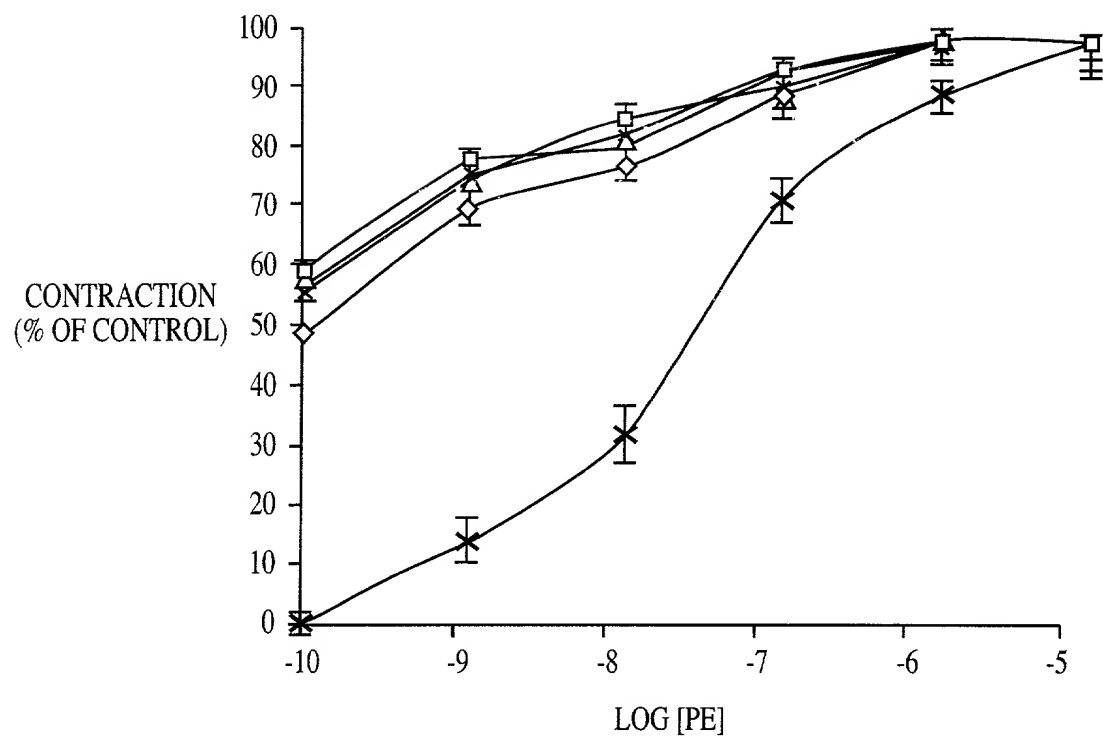


FIG. 4

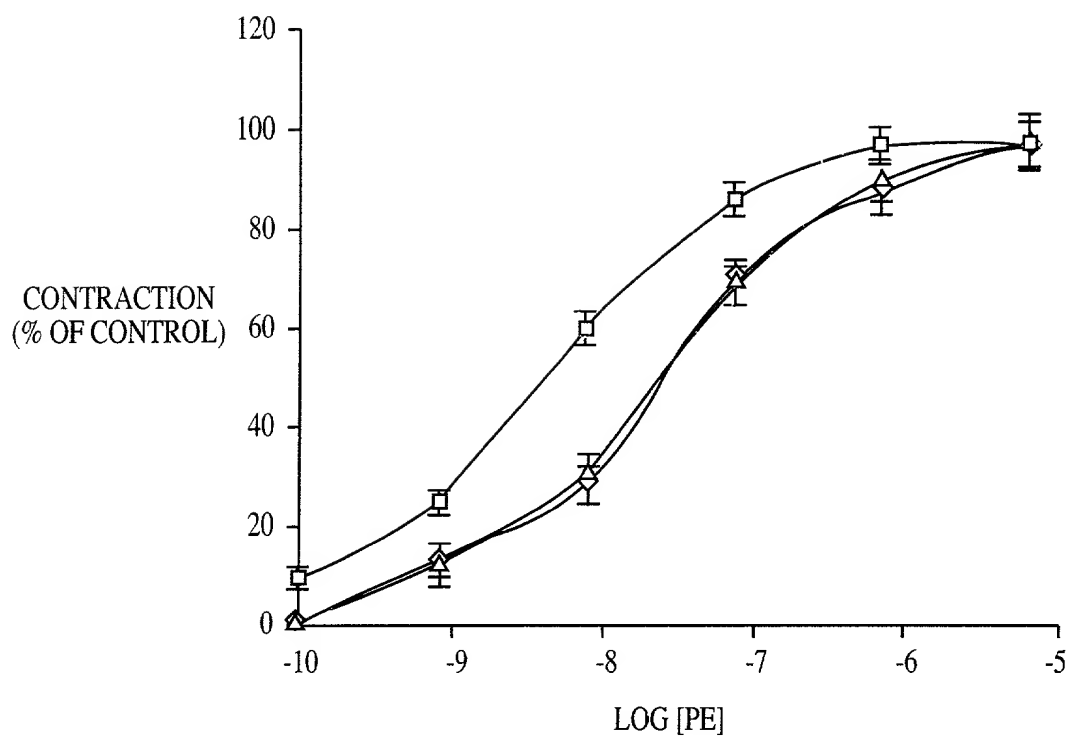


FIG. 5A

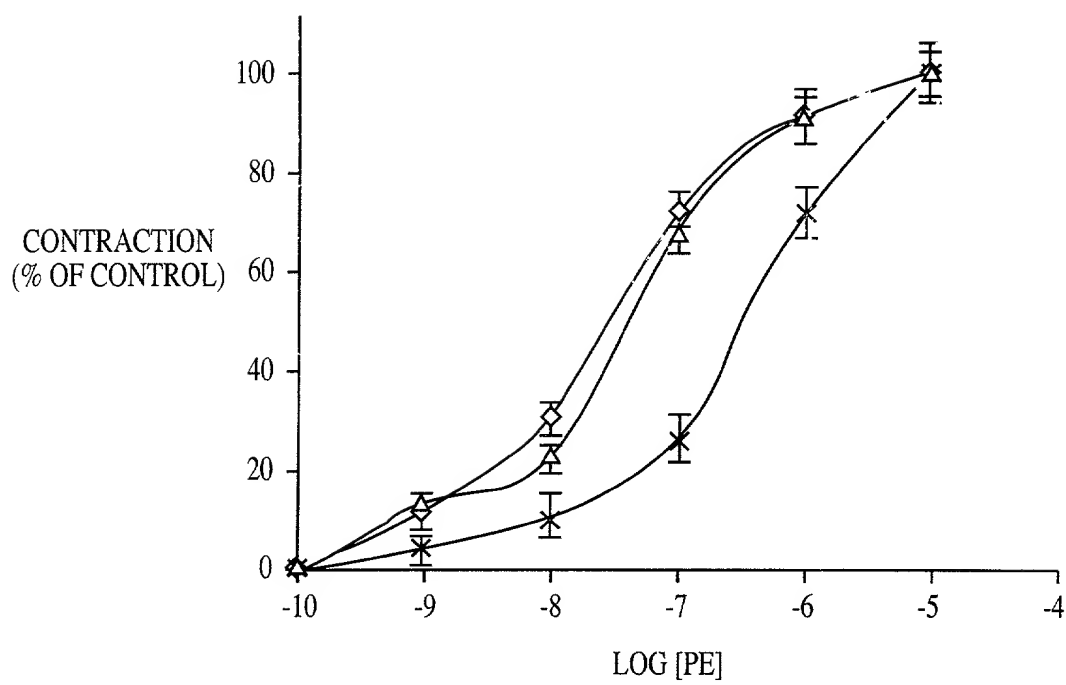


FIG. 5B

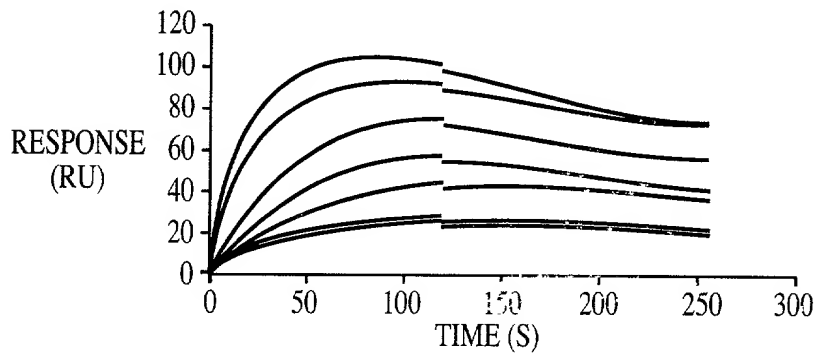


FIG. 6A

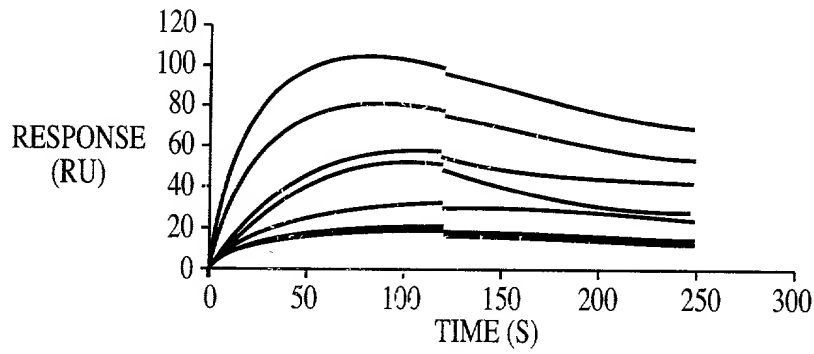


FIG. 6B

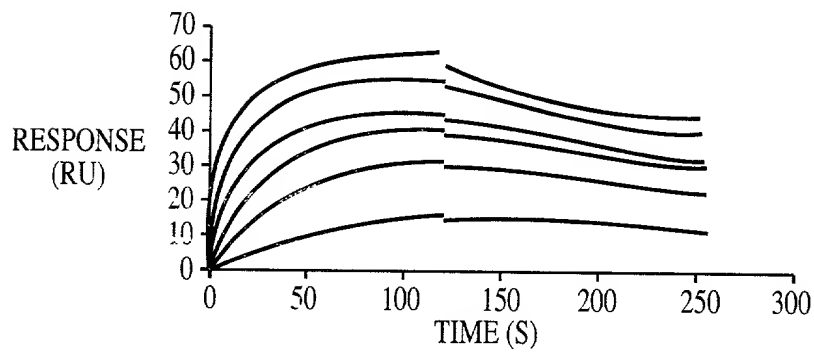


FIG. 6C



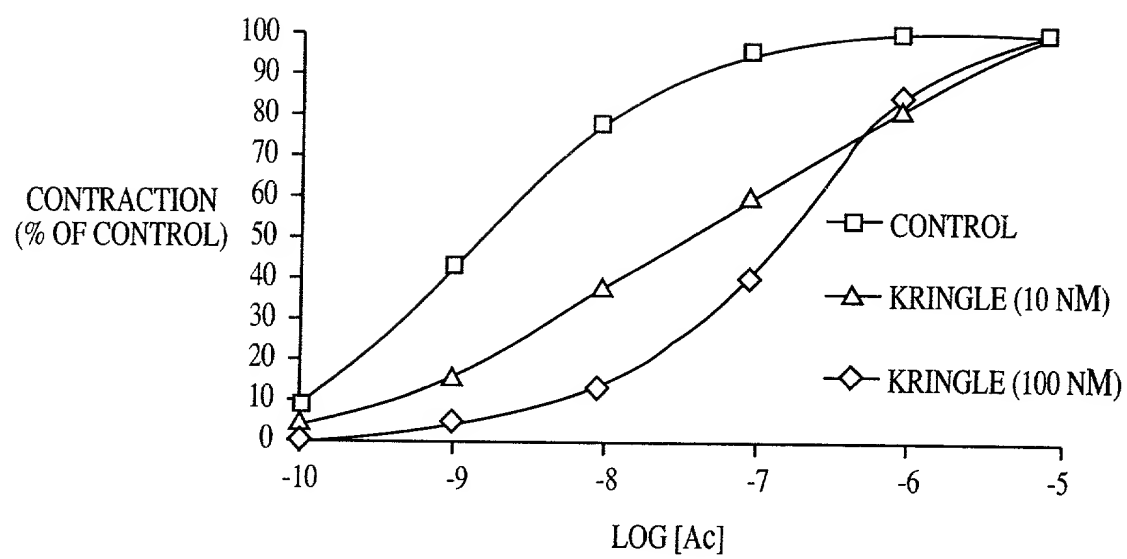


FIG. 8